# Part II

Selected Presentation Slides, Given at the 59th Annual Center Directors Meeting, Austin, Texas, October 30, 2001

## II.7 University of Texas M.D. Anderson Cancer Center, Science Park Research Division, Center for Research on Environmental Disease

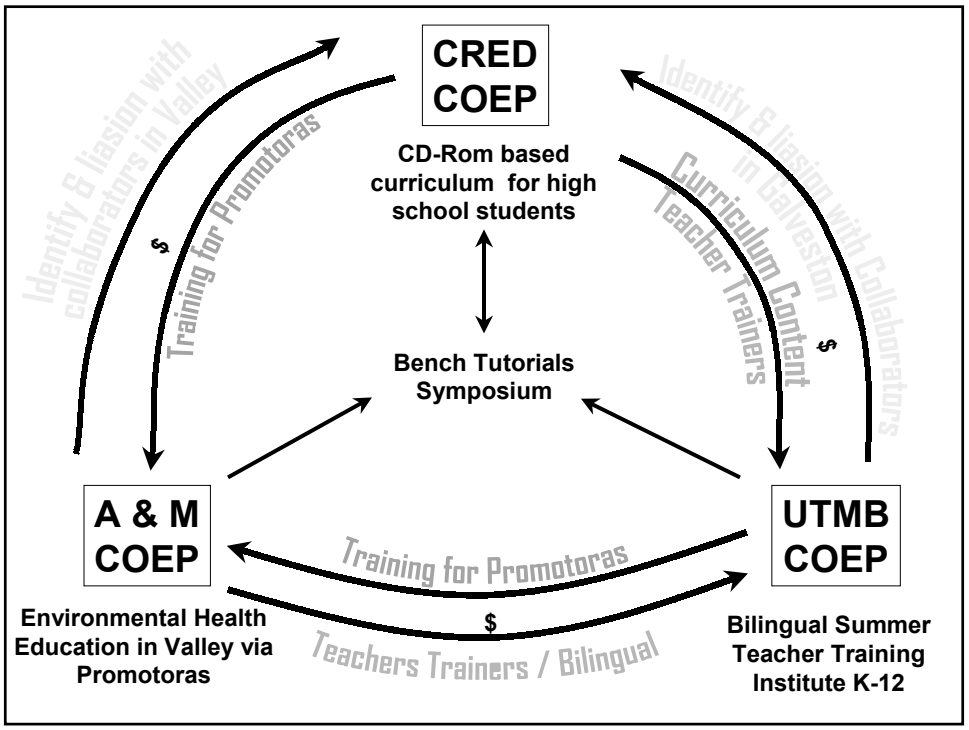
Presenter: Robin Fuchs-Young

Center for Research on Environmental Disease

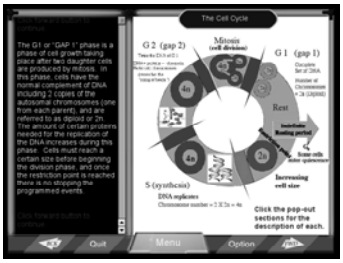
Community Outreach and Education Program

## CD-ROM based Environmental Health and Science Curriculum Enhancement for High School Students

Robin Fuchs-Young, PhD., COEP Director
Ms. Christie Snodgrass, High School Science Teacher
Griffon Animations
Center Faculty and Facility core personnel



## Center for Research on Environmental Disease




***From the bench to the public***
***Educating to prevent disease***

**Goals for Curriculum Enhancement**

**To increase availability environmental curriculum enrichment for high schools**

**Improve science and health education in our state**

**Provide information to enable students to make healthy lifestyle choices**

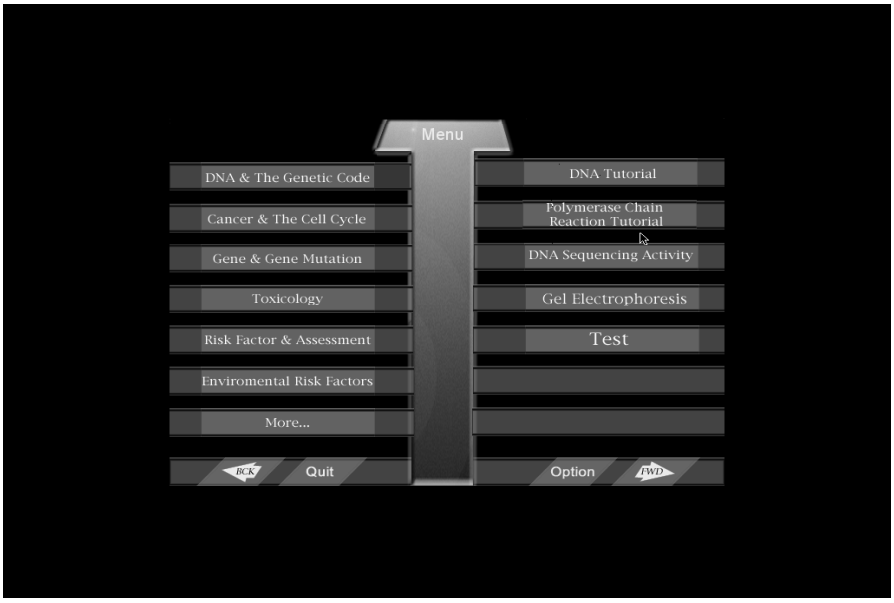
**Assist teachers with concepts that they may not be comfortable with**

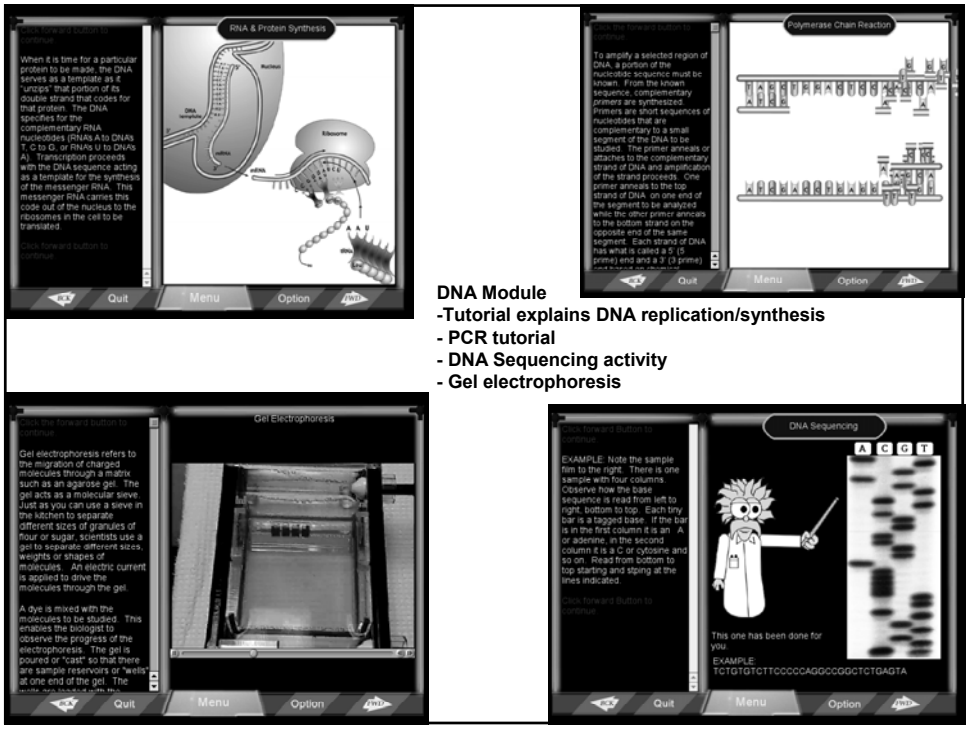
**Methods**

**Teacher interns work at Center during summer**

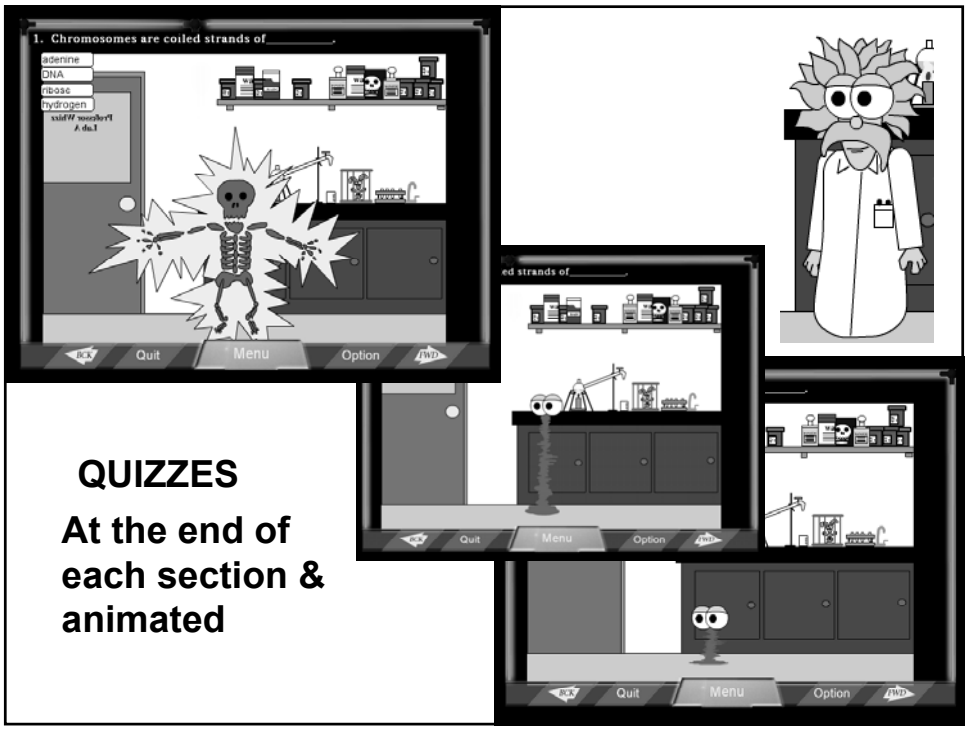
**Design content based on lab experiences and interaction with Center scientists**

## Main Menu






**DNA Module**
**-Tutorial explains DNA replication/synthesis**
**- PCR tutorial**
**- DNA Sequencing activity**
**- Gel electrophoresis**




**QUIZZES**

**At the end of each section & animated**

# Outcomes and Plans

**Summer Institute Evaluation:**

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| •Realization of workshop objectives | | | | | 100% |
| •Appropriateness of content and activities | | | 14% | 86% | |
| •Effective use of technology | | | 14% | 14% | 70% |
| •Value of quizzes for evaluating learning | | | | 14% | 86% |

**Comments**
- **"useful for most of my classes"**
- **the module met my expectations "and more"**
- **"I expect a great product"**
- **"I really liked it and it is very useful in my class"**


**Next:**
- **Two workshops at CAST (Nov 1-3, 2001, Austin, TX)**
- **Pilot testing Galveston, Bastrop County, Austin & Brady**
- **Finalize and distribute**
  - **Maintain database of users and evaluation**